

Comparisons of Job Characteristics

Focus Occupation: [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

Associated Occupation: [Electrical and Electronics Repairers, Powerhouse, Substation, and Relay \(49-2095\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

Associated Occupation: [Electrical and Electronics Repairers, Powerhouse, Substation, and Relay \(49-2095\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	17.1	15.0	<	Expanded education and/or training may be required
Design	5.2	13.2	8.2	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	12.7	9.5	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	12.2	3.9	<<	Extensive education and/or training may be required
Physics	4.3	10.1	5.0	<<	Extensive education and/or training may be required
Telecommunications	3.9	10.0	3.5	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	9.3	9.1	0	Current knowledge level may be sufficient
Building and Construction	4.0	8.4	6.9	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Equipment Maintenance	3.5	11.4	10.7	0	Current skill level may be sufficient
Repairing	3.4	11.1	9.4	<	A higher skill level may be required

Troubleshooting	4.5	10.7	9.3	<	A higher skill level may be required
Quality Control Analysis	5.9	10.2	10.0	0	Current skill level may be sufficient
Operation Monitoring	6.6	10.0	10.8	0	Current skill level may be sufficient
Equipment Selection	3.3	5.6	8.7	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 66

Focus Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Arm-Hand Steadiness	6.8	10.3	12.4	>	Current ability level is likely sufficient
Visualization	7.5	10.1	10.0	0	Current ability level may be sufficient
Control Precision	6.6	10.0	10.8	0	Current ability level may be sufficient
Selective Attention	8.7	10.0	8.9	<	Some improvement in abilities may be required
Finger Dexterity	7.6	9.8	10.6	0	Current ability level may be sufficient
Manual Dexterity	6.5	9.4	9.7	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	9.3	10.2	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)

Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

Work Activities	Exclusivity of Activity
Clean equipment or machinery	20
Fabricate, assemble, or disassemble manufactured products by hand	11
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.